2/13

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RAW SEQUENCE LISTING DATE: 02/12/2002
PATENT APPLICATION: US/09/915,914B TIME: 13:38:40

Input Set : A:\AM105.P.1.1-US.txt
Output Set: N:\CRF3\02122002\I915914B.raw

P.S

ENTERED

<110> APPLICANT: Divita, Gilles
Fernandez, Joseph
Heitz, Frederic
Morris, May
Mery, Jean
Archdeacon, John
Horndorp, Kyle

<120> TITLE OF INVENTION: PEPTIDE-MEDIATED DELIVERY OF MOLECULES INTO CELLS

<130> FILE REFERENCE: AM-00105.P.1.1

<140> CURRENT APPLICATION NUMBER: us 09/915,914B

<141> CURRENT FILING DATE: 2001-07-26

<150> PRIOR APPLICATION NUMBER: US 60/221,932

<151> PRIOR FILING DATE: 2000-07-31

<160> NUMBER OF SEQ ID NOS: 43

<170> SOFTWARE: PatentIn version 3.1

<210> SEQ ID NO: 1
<211> LENGTH: 21
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Synthetic sequence
<400> SEQUENCE: 1

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1               5                   10                  15
Thr Trp Trp Thr Glu
            20
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<210> SEQ ID NO: 2
<211> LENGTH: 18
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Synthetic sequence
<400> SEQUENCE: 2

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Tyr Gly Phe Lys Lys Arg Arg Gln Pro Thr Trp Trp Glu Thr Trp Trp
1               5                   10                  15
Thr Glu
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<210> SEQ ID NO: 3
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<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Synthetic sequence
<400> SEQUENCE: 3

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71 Tyr Gly Phe Lys Lys Arg Arg Gln Thr Trp Trp Glu Thr Trp Trp Thr
72 1               5                  10                  15
75 Glu
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 19
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Synthetic sequence
87 <400> SEQUENCE: 4
89 Tyr Gly Phe Lys Lys Phe Arg Lys Pro Trp Thr Trp Trp Glu Thr Trp
90 1               5                  10                  15
93 Trp Thr Glu
97 <210> SEQ ID NO: 5
98 <211> LENGTH: 19
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Synthetic sequence
105 <400> SEQUENCE: 5
107 Tyr Gly Phe Lys Lys Phe Arg Lys Pro Trp Thr Trp Trp Glu Thr Trp
108 1               5                  10                  15
111 Trp Thr Glu
115 <210> SEQ ID NO: 6
116 <211> LENGTH: 19
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Synthetic sequence
123 <400> SEQUENCE: 6
125 Lys Lys Lys Arg Lys Val Lys Pro Glu Thr Trp Trp Glu Thr Trp Trp
126 1               5                  10                  15
129 Glu Thr Val
133 <210> SEQ ID NO: 7
134 <211> LENGTH: 21
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Synthetic sequence
141 <400> SEQUENCE: 7
143 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp Ser Gln Pro Lys
144 1               5                  10                  15
147 Lys Lys Arg Lys Val
148             20
151 <210> SEQ ID NO: 8
152 <211> LENGTH: 20
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
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Input Set : A:\AM105.P.1.1-US.txt
Output Set: N:\CRF3\02122002\I915914B.raw

157 <223> OTHER INFORMATION: Synthetic sequence
159 <400> SEQUENCE: 8
161 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp Ser Gln Pro Lys
162 1 5 10 15
165 Lys Arg Lys Val
166 20
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170 <211> LENGTH: 20
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Synthetic sequence
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179 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Ala Ser Gln Pro Lys
180 1 5 10 15
183 Lys Arg Lys Val
184 20
187 <210> SEQ ID NO: 10
188 <211> LENGTH: 21
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Synthetic sequence
195 <400> SEQUENCE: 10
197 Lys Glu Thr Trp Trp Glu Thr Trp Trp Glu Thr Trp Ser Gln Pro Lys
198 1 5 10 15
201 Lys Lys Arg Lys Val
202 20
205 <210> SEQ ID NO: 11
206 <211> LENGTH: 19
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Synthetic sequence
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215 Lys Glu Thr Trp Trp Glu Thr Trp Thr Trp Ser Gln Pro Lys Lys Lys
216 1 5 10 15
219 Arg Lys Val
223 <210> SEQ ID NO: 12
224 <211> LENGTH: 19
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Synthetic sequence
231 <400> SEQUENCE: 12
233 Lys Trp Trp Glu Thr Trp Trp Glu Thr Trp Ser Gln Pro Lys Lys Lys
234 1 5 10 15
237 Arg Lys Val
241 <210> SEQ ID NO: 13

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Input Set : **A:\AM105.P.1.1-US.txt**
Output Set: **N:\CRF3\02122002\I915914B.raw**

242 <211> LENGTH: 23
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
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247 <223> OTHER INFORMATION: Synthetic sequence
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251 <222> LOCATION: (1)..(1)
252 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
255 <220> FEATURE:
256 <221> NAME/KEY: MISC_FEATURE
257 <222> LOCATION: (2)..(2)
258 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
261 <220> FEATURE:
262 <221> NAME/KEY: MISC_FEATURE
263 <222> LOCATION: (3)..(3)
264 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
267 <220> FEATURE:
268 <221> NAME/KEY: MISC_FEATURE
269 <222> LOCATION: (8)..(8)
270 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
273 <220> FEATURE:
274 <221> NAME/KEY: MISC_FEATURE
275 <222> LOCATION: (9)..(9)
276 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
279 <220> FEATURE:
280 <221> NAME/KEY: MISC_FEATURE
281 <222> LOCATION: (10)..(10)
282 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
285 <220> FEATURE:
286 <221> NAME/KEY: MISC_FEATURE
287 <222> LOCATION: (11)..(11)
288 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
291 <220> FEATURE:
292 <221> NAME/KEY: MISC_FEATURE
293 <222> LOCATION: (12)..(12)
294 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
297 <220> FEATURE:
298 <221> NAME/KEY: MISC_FEATURE
299 <222> LOCATION: (13)..(13)
300 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
303 <220> FEATURE:
304 <221> NAME/KEY: MISC_FEATURE
305 <222> LOCATION: (16)..(16)
306 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
309 <220> FEATURE:
310 <221> NAME/KEY: MISC_FEATURE
311 <222> LOCATION: (21)..(21)
312 <223> OTHER INFORMATION: X can be any amino acid or no amino acid

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Input Set : A:\AM105.P.1.1-US.txt
Output Set: N:\CRF3\02122002\I915914B.raw

315 <220> FEATURE:
316 <221> NAME/KEY: MISC_FEATURE
317 <222> LOCATION: (22)..(22)
318 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
321 <220> FEATURE:
322 <221> NAME/KEY: MISC_FEATURE
323 <222> LOCATION: (23)..(23)
324 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
327 <400> SEQUENCE: 13
W-> 329 **Xaa Xaa Xaa Lys Lys Arg Arg Xaa Xaa Xaa Xaa Xaa Xaa Thr Trp Xaa**
330 1 5 10 15
W-> 333 **Glu Thr Trp Trp Xaa Xaa Xaa**
334 20
337 <210> SEQ ID NO: 14
338 <211> LENGTH: 22
339 <212> TYPE: PRT
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Synthetic sequence
345 <220> FEATURE:
346 <221> NAME/KEY: MISC_FEATURE
347 <222> LOCATION: (8)..(8)
348 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
351 <220> FEATURE:
352 <221> NAME/KEY: MISC_FEATURE
353 <222> LOCATION: (9)..(9)
354 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
357 <220> FEATURE:
358 <221> NAME/KEY: MISC_FEATURE
359 <222> LOCATION: (11)..(11)
360 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
363 <220> FEATURE:
364 <221> NAME/KEY: MISC_FEATURE
365 <222> LOCATION: (12)..(12)
366 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
369 <220> FEATURE:
370 <221> NAME/KEY: MISC_FEATURE
371 <222> LOCATION: (13)..(13)
372 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
375 <220> FEATURE:
376 <221> NAME/KEY: MISC_FEATURE
377 <222> LOCATION: (16)..(16)
378 <223> OTHER INFORMATION: X can be any amino acid or no amino acid
381 <400> SEQUENCE: 14
W-> 383 **Tyr Gly Phe Lys Lys Arg Arg Xaa Xaa Gln Xaa Xaa Xaa Thr Trp Xaa**
384 1 5 10 15
387 Glu Thr Trp Trp Thr Glu
388 20
391 <210> SEQ ID NO: 15

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 02/12/2002
PATENT APPLICATION: US/09/915,914B TIME: 13:38:41

Input Set : A:\AM105.P.1.1-US.txt
Output Set: N:\CRF3\02122002\I915914B.raw

L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:724 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30